



Arkansas Wireless Information Network

Report to the

Joint Interim Committee on Advanced
Communications and Information
Technology

For the period ending January 31, 05



This report contains the following sections:

Arkansas Wireless Information Network (AWIN) Program Status – a short description of the program, a list of the projects related to the program, and achievements of the program for the month.

Arkansas State Police (ASP) Network Upgrade Project Status – additional detail on the ASP Network Upgrade.

Chemical Stockpile Emergency Preparedness Plan Project (CSEPP) Status -- additional detail on the CSEPP Project.

Three County Pilot Project Status -- additional detail on the pilot effort that will be implemented in Miller, Lonoke and Craighead counties.

Command and Control Radio Deployment Status -- additional detail on the effort to deploy AWIN compatible radios to the 1st responder leadership in each of the counties in the State of Arkansas.

First Responder Training Status -- additional detail on the First Responder Training effort.



Arkansas Wireless Information Network

AWIN is a multi-phased approach to building the infrastructure to complete a statewide interoperable radio system across the counties command and control structure and state agencies. The first phase of the system will upgrade the existing Arkansas State Police (ASP) network to create the backbone for AWIN. The Arkansas Department of Emergency Management (ADEM) is integrating the planned upgrade to the Pine Bluff Chemical Stockpile Emergency Preparedness Plan (CSEPP) radio system into the first phase of AWIN. This effort will create operational efficiencies in both implementations. In addition, AWIN is working with three counties as a pilot program to build a fully interoperable radio system for these counties first responders. This effort will demonstrate the effectiveness of the operational design of AWIN.

Program Director:

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Program Manager:

Name: Penny Rubow

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Updated: 02/17/05

PROJECTS

Project Name	Percentage Complete	On Schedule / No Major Issues	Schedule Slipping / Possible Issues	Behind Schedule / Major Issues
Arkansas State Police Upgrade	10%		X	-
Chemical Stockpile Emergency Preparedness Plan (CSEPP)	12%		X	-
Three County Pilot	-	X	-	-

Program Funding

The funding information below reflects the base cost and funding plan as determined in August of 2004. Changes to cost and funding is reflected in detail in the individual project status in this report.

Cost by identified Project:

ASP Network Upgrade	\$25,484,007.00
Three County Pilot Project	\$ 9,536,485.00
CSEPP	\$11,357,653.00
County Distribution for Command/Control	\$13,152,315.01
Bonding Expenses	<u>\$ 4,478,433.98</u>



TOTAL COSTS	\$64,008,893.99
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Funds Available:

Federal Earmark Appropriation (held by ASP)	\$494,739.00
Federal Emergency Management Agency (FEMA) – CSEPP	\$11,357,653.00
Office for Domestic Preparedness (ODP) Previous Grants	\$3,680,070.98
FY04 State Homeland Security Grant Program – State Portion	\$ 4,821,370.00
FY04 State Homeland Security Grant Program – 3 County Pilot	\$ 9,536,485.00
FY04 State Homeland Security Grant Program – County Distribution	<u>\$13,152,315.01</u>
TOTAL Grant Monies Available	\$43,042,632.99
Bond Proceeds	<u>\$21,960,000.00</u>
TOTAL FUNDS AVAILABLE	\$65,002,632.99

Program Update

Legislation. Legislation is being drafted to provide funding for additional infrastructure and to establish the responsibilities of the AWIN Steering Committee and AWIN Local Leadership Council.

Communications. AWIN Program Management is developing a communications plan to ensure that users receive current information regarding the progress of the implementation of the various projects and what to expect as their areas are switched to the new system.

Customer Support. The Department of Information Systems is working on developing the existing Call Center and Network Support staff to provide support for the AWIN system. This service will be in place when the first of the sites cutover in March.



Arkansas State Police Network Upgrade

The Arkansas State Police Network Upgrade will enhance the existing Arkansas State Police (ASP) network to create the backbone for AWIN. This effort will include the upgrade of existing towers, dispatch equipment and radios.

Project Manager

Name: David Baker

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Updated: 02/17/05

SUMMARY

Area	On Schedule / No Major Issues	Schedule Slipping / Possible Issues	Behind Schedule / Major Issues	Reason for Deviation
Schedule		X	-	Wet weather continues to impact outdoor construction. Additional teams have been added in order to meet the schedule.
Budget	X	-	-	-
Scope	X	-	-	-

SCHEDULE

Of the identified tasks, 10% have been completed. (See comments below)

There are 372 days remaining until project completion.

Phase	Start	End	Complete	Status
Contract	12/8/2003	2/2/2004	100%	Complete
Design Review	1/22/2004	6/30/2004	100%	Complete
Order Processing	7/1/2004	8/30/2004	100%	Complete
Manufacturing	2/27/2004	12/15/2004	59%	On-Track
Staging	7/29/2004	12/28/2004	74%	On-Track
Materials Management	8/20/2004	1/12/2005	71%	On-Track
Civil Work/FNE Installation (Milestone Dates)	7/1/2004	00/10/2005	29%	On-Track
AREA A (Central Arkansas) FNE Installation Complete	7/1/2004	08/26/05	5%	On-Track
AREA B (NE Central Arkansas) FNE Installation Complete	10/12/04	05/06/05	8%	On-Track



AREA C (NE Arkansas) FNE Installation Complete	02/23/05	11/10/05	1%	Slipping
AREA D (East Central Arkansas) FNE Installation Complete	08/31/04	05/06/05	1%	Slipping
AREA E (SE Central Arkansas) FNE Installation Complete	8/31/04	05/23/05	30%	Slipping
AREA F (SE Arkansas) FNE Installation Complete	8/31/04	5/23/05	41%	Slipping
AREA G (SW Arkansas) FNE Installation Complete	8/30/04	9/16/05	32%	Slipping
AREA H (West Central Arkansas) FNE Installation Complete	08/16/04	09/30/05	13%	Slipping
AREA I (North Central Arkansas) FNE Installation Complete	08/02/04	03/30/05	32%	On-Track
AREA J (NW Central Arkansas) FNE Installation Complete	09/03/04	08/04/05	4%	Ahead
AREA K (SW Central Arkansas) FNE Installation Complete	8/11/04	08/26/05	7%	On-Track
AREA L (NW Arkansas) FNE Installation Complete	02/16/04	3/30/05	24%	On-Track
Finalize Outstanding Issues	02/04/04	1/10/2006	4%	On-Track

Comments:

First Area Cutover: The first areas to cutover to the new system are Areas I (North Central Arkansas) and L (NW Arkansas). This cutover sequencing is to begin the week of March 7th. During the time that the sites are being cutover, those sites will be down. Users in that area will rely on the county sheriffs system while the site is down.

Schedule impact: Wet weather continues to impact outdoor construction.

Regulatory application process: Issue involving FEMA requirements for additional site monitoring related to NEPA studies has been completed. However, other issues continue to arise. These are being resolved as quickly as possible, given the time constraints of the regulatory processes. The team continues to work on identifying other sites where regulatory requirements may become an issue.

Schedule Changes: Due to weather and NEPA studies equipment installation schedule has been changed. While some regions are being delayed, other regions have been moved ahead in the schedule. A scope change will be processed to re-baseline the schedule. When that change is approved the progress towards completion will be updated.

February Outlook:

- Continue work in Civil Phase – emphasis on sites within Areas I & L
- Continue to resolve site acquisition issues in Jefferson and Grant Counties.
- Begin equipment installation at ASP Headquarters in Little Rock
- Finalize subscriber installation plans and training plans.



BUDGET

Total Budget	Expenditures	% of Budget	Status
\$27,383,957.00	\$13,981,690.76	51%	On Track

Comments: The total budget above includes the change request to obtain FCC Licenses. The expenditure above was made out of the Department of Information Systems Statewide Core Network account.

SCOPE

Change Request	Schedule Impact	Budget Impact	Status

Comments: No change requests processed for January.



Chemical Stockpile Emergency Preparedness Program (CSEPP)

The Chemical Stockpile Emergency Preparedness Program (CSEPP) was established to enhance the emergency preparedness in communities around the chemical stockpiles until the stockpiles are eliminated. The Pine Bluff Arsenal communicates daily with Jefferson and Grant counties and the Arkansas Department of Emergency Management to inform them of activities involving the stockpile.

Project Manager:

Name: David Baker

Email: david.baker@arkansas.gov

Updated: 02/17/05

SUMMARY

Area	On Schedule / No Major Issues	Schedule Slipping / Possible Issues	Behind Schedule / Major Issues	Reason for Deviation
Schedule		X		Additional requirements for Environmental Studies have been identified. These additional studies can take as long as 90 days. Alternative tower sites are being investigated.
Budget	X	-	-	-
Scope	X	-	-	-

SCHEDULE

Phase	Start Date	End Date	% Complete	Status
Contract	12/8/2003	2/2/2004	100%	Complete
Design Review	1/22/2004	6/30/2004	100%	Complete
Order Processing	7/1/2004	8/30/2004	100%	Complete
Manufacturing	2/27/2004	12/15/2004	100%	On-Track
Staging	7/29/2004	12/28/2004	100%	On-Track
Materials Management	8/20/2004	1/12/2005	71%	On-Track
Civil Work/FNE Installation (Milestone Dates)	7/1/2004	06/20/2005	24%	On-Track



Jefferson Sites Operational	08/31/04	3/21/05	29%	Slipping
Grant Sites Operational	2/17/04	7/22/05	10%	Slipping

Comments:

Schedule impact: Wetter than normal weather in Arkansas is impacting the development of new sites.

Regulatory application process: National Environmental Protection Agency (NEPA), Federal Communications Commission (FCC), and Federal Aviation Administration (FAA) processes have taken longer than originally anticipated, due to issues arising out of the NEPA studies. Most of the current issues have been resolved. One remaining issue involving FEMA requirements for additional site monitoring related to NEPA studies remains to be completed. The team is working on identifying other sites where regulatory requirements may become an issue and will work to mitigate any schedule impact.

Regulatory application process (2): The State's process for producing PO's for studies has the potential to cause work to be delayed. The work at the Jefferson NW site is scheduled for 05/05/05. The Environmental Assessment (EA) process as needed by NEPA is 87 days (27 business days plus 60 calendar days). The SOA team is working to identify changes that can speed the process along.

BUDGET

Total Budget	Expenditures	% of Budget	Status
\$11,285,823.00	\$2,533,712.00	22%	On Track

Comments:**SCOPE**

Change Request	Schedule Impact	Budget Impact	Status

Comments: No change requests processed for January.



Three County Pilot

The Arkansas Wireless Information Network (AWIN) Three County Pilot Project will provide the initial efforts to bring the interoperable network to the county and city level emergency responders level. The scope of the project is to work with Craighead, Lonoke, and Miller counties in building a fully interoperable radio system, based on Project 25 standards, for all public safety agencies in these counties. This project will provide additional infrastructure needed at the county level, upgraded dispatch units and integration into AWIN. Each county system will be considered part of the overall AWIN system. Further, a repeatable process will be identified that can be used as other counties integrate their infrastructure into AWIN.

Project Manager:

Name: Randy Wilcox

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Updated: 02/17/05

SUMMARY

Area	On Schedule / No Major Issues	Schedule Slipping / Possible Issues	Behind Schedule / Major Issues	Reason for Deviation
Schedule	X	-	-	-
Budget	X	-	-	-
Scope	X	-	-	-

SCHEDULE

Phase	Start Date	End Date	% Complete	Status
Project Initiation and Planning	07/15/04	11/13/04	-	-
Preliminary Design	07/15/04	09/10/04	100%	On Track
Detailed Design	08/28/04	02/28/05	66%	On Track
Presentation of Detailed Design for Review and Approval	11/15/04	03/31/05	20%	On Track
Final Approval of Design	-	03/31/05		-
Project Execution	-	TBD	-	-
Equipment Purchase	-	TBD	-	-
Identify Frequencies	-	TBD	-	-
Implementation	-	TBD	-	-



Training	-	TBD	-	-
Cutover	-	TBD	-	-
Project Close-Out	-	TBD	-	-

Comments:

Project Planning: Final infrastructure design continues in Craighead County. The final design is expected to be delivered on schedule. Craighead County's expected design contains one new tower site. This site has been identified and acquired. The engineering of the infrastructure is complete in Lonoke and Miller County. Miller County has two new tower sites in this design. Both sites have been identified and one has been acquired. Lease negotiations continue on the second site. Upon successful negotiation of the second tower site the Miller County the design process will be complete. Lonoke County's infrastructure design contained one new site which has been has been acquired. This completes the design process in Lonoke County.

Regulatory application process: National Environmental Protection Agency (NEPA), Federal Communications Commission (FCC), and Federal Aviation Administration (FAA) processes have begun on the identified tower sites in the Three County project.

BUDGET

Total Budget	Expenditures	% of Budget	Status
\$10,443,960.00	\$7,140		On-Track

Comments: The total budget above includes the change request to obtain FCC Licenses. The expenditure above was made out of the Department of Information Systems Statewide Core Network account.

SCOPE

Change Request	Schedule Impact	Budget Impact	Status

Comments: None



First Responder Training

The purpose of the training effort for AWIN is to train first responders in the state on the use of the AWIN system. The training effort will include Subscriber (or end user) training, console operator training, and system administration training. Installation of radios will be also be tracked along with this effort.

Project Manager:

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Updated: 01/14/05

SUMMARY

Area	On Schedule / No Major Issues	Schedule Slipping / Possible Issues	Behind Schedule / Major Issues	Reason for Deviation
Schedule	X	-	-	
Budget	X	-	-	-
Scope	X	-	-	-

SCHEDULE

Activity	Target Start Date	Target Completion Date
Project Initiation and Planning	01/10/05	01/31/05
Identify personnel to be trained	01/15/05	01/31/05
Develop schedule for training classes	01/31/05	02/28/05
Identify common activities and tasks	01/31/05	02/28/05
Identify installation needs	01/31/05	12/31/05
Project Execution		
Install radios	02/16/05	12/31/05
Training classes	02/16/05	12/31/05
Project Closeout	12/31/05	01/15/06

Comments:



Train the Trainer: Arkansas State Police trainers and trainers from participating agencies will be trained as instructors on the AWIN system. These trainers are then responsible for training end users from their organizations.

Installation of Radios: All personnel trained that have either portable or mobile radios will be updated to the proper radio.

Certification: All end users will be certified through the ASP Certification process.

BUDGET

Total Budget	Expenditures	% of Budget	Status

Comments:

SCOPE

Change Request	Schedule Impact	Budget Impact	Status

Comments: No change requests were processed in January.



Command and Control Radio Deployment

The AWIN Command and Control Project is to deploy Project 25 wireless radios to the 1st responder leadership for each county in the State of Arkansas. Further, this project will ensure that voice testing occurs in each county and that training is provided to each user.

Project Manager:

Name: Penny Rubow

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Updated: 01/14/05

SUMMARY

Area	On Schedule / No Major Issues	Schedule Slipping / Possible Issues	Behind Schedule / Major Issues	Reason for Deviation
Schedule	X	-	-	
Budget	X	-	-	-
Scope	X	-	-	-

SCHEDULE

Activity	Target Start Date	Target Completion Date
Project Initiation and Planning	01/26/05	03/31/05
Develop Project Charter	01/26/05	03/24/05
Identify Training Needs	02/01/05	02/28/05
Identify installation needs	02/01/05	02/28/05
Identify common activities and tasks	01/31/05	02/28/05
Project Execution		
Install Radios	03/30/05	02/15/06
Training classes		
Project Closeout	02/15/06	02/28/06

Comments: This schedule is tentative. Some dates may be adjusted as project planning goes forward.



BUDGET

Total Budget	Expenditures	% of Budget	Status

Comments: Counties are currently in the process of submitting their plans to achieve interoperability to the Department of Emergency Management. After those plans have been submitted budget numbers will be reported.

SCOPE

Change Request	Schedule Impact	Budget Impact	Status

Comments: No change requests were processed during January.